

ABSTRACT

An organic-inorganic hybrid material comprising two phases:

- 5           - a first, mineral phase comprising a structured mesoporous network with open porosity; and
- a second, organic phase comprising an organic polymer, said organic phase being essentially not present inside the pores of the structured
- 10       mesoporous network.

Membrane and electrode comprising this material.

Fuel cell comprising at least one such membrane and/or at least one such electrode.

- 15           Process for preparing said hybrid material.